

# Fluorspar Mining District, Cave-In-Rock and Shawnee National Forest

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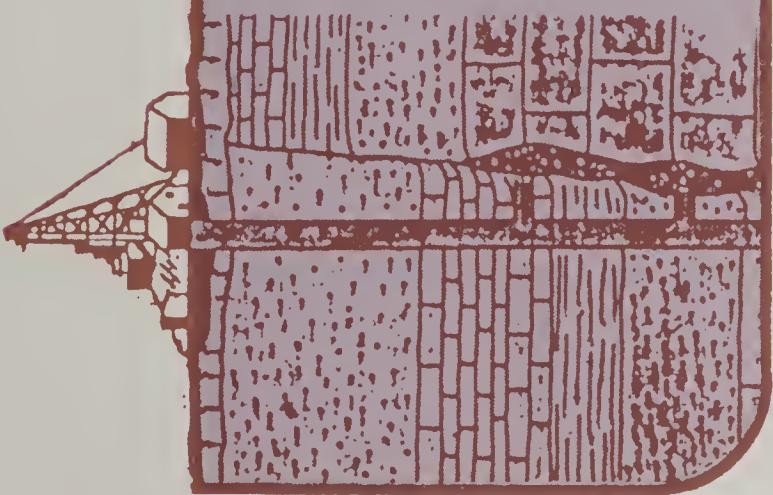
May 17-19, 1985

a geology and natural history field study tour

## LEADERS:

Christopher J. Schuberth  
Geologist and  
Curator of Education

Everett D. Cashatt, Ph.D.  
Curator of Zoology



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ILLINOIS STATE MUSEUM Education Section

# Fluorspar Mining District, Cave-In-Rock and Shawnee National Forest

## May 17-19, 1985

A weekend study tour will be taken to the Shawnee National Forest and the fluorspar mining district of Hardin County and Cave-In-Rock in southeastern Illinois. Cave-In-Rock enjoys a worldwide reputation for the interesting assemblage of minerals generated in a geologically complex environment about 100 million years ago. Such fluorine-, zinc-, and lead-bearing minerals as fluorite, sphalerite, and galena characterize this region; and opportunities to collect attractive specimens and crystal clusters, especially of fluorite, will be provided. Fluorite is the second most-important strategic mineral after the uranium minerals, and it has earned a wide and critically important use in the chemical and steel manufacturing industries. The finest specimens of fluorite known to the mineral sciences come from this district, and the best of these can be seen in major natural history museums around the world. The Shawnee Hills, an extension into southern Illinois of the Ozark Highlands and Interior Low Plateaus provinces, contain numerous sites of unusual geologic and natural history interest. At a time when the Spring flowering will be at its peak, opportunities will be provided to walk the forest trails of Pounds Hollow and Rim Rock, Hayes Creek Canyon, and through the intricately dissected and uniquely carved Pennsylvanian-aged sandstone bluffs at the Garden of the Gods. The tales and drama of historic Cave-In-Rock on the Ohio River also will be relived.

Leading this unique "lecture tour" will be two Museum staff scientists — Christopher J. Schuberth, Geologist and Curator of Education, and Dr. Everett D. Cashatt, Curator of Zoology. Cost of this discovery weekend is \$145.00 per person. This includes travel by a lavatory-equipped charter coach, two overnight accommodations (double occupancy in twin-bedded rooms) at the first-class Gray Plaza Motel in Harrisburg, and a boxed dinner and beverage on board the coach on Friday evening while enroute to Harrisburg. Single occupancy is available at \$160.00. Illinois State Museum Society members in good standing are eligible for a 10 percent discount. Also included are the varied lectures, both on the coach and at the study sites, and a comprehensive set of reference notes prepared especially for this tour. Not included in the price of the tour are the cost of all other meals and any personal extras.

Sturdy walking shoes, sensible field-type clothing, and a beverage thermos for Saturday and Sunday picnic lunches are required items. Binoculars, a small collecting bag, and a rock hammer would be helpful to have along. This study tour, limited to 32 persons, is not suitable for children under 15 years of age. Applications are accepted on a first-come, first-served basis. No prior knowledge in geology, mineralogy, or natural history is expected.

The tour departs for Harrisburg promptly at 5:30 p.m., Friday, May 17, from the Illinois State Museum at Spring and Edwards Streets, Springfield, with an expected arrival by 9:30 p.m. Return to Springfield is expected to be by 7:00 p.m. on Sunday, May 19. Free parking is available in lots adjacent to the Museum. Reservations canceled prior to April 1 are refundable, except for a \$3.00 handling fee. Those canceled after April 1 are not refundable unless the vacancy can be filled.

**For further details, write or call Christopher J. Schuberth, Curator of Education, Illinois State Museum, Springfield, Illinois 62706. Telephone: (217) 782-5955.**

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### FLUORSPAR MINING DISTRICT, CAVE-IN-ROCK AND SHAWNEE NATIONAL FOREST MAY 17-19, 1985

#### APPLICATION BLANK (please type or print)

NAME \_\_\_\_\_ (Dr., Mr., Mrs., Miss) \_\_\_\_\_ (Last) \_\_\_\_\_ (First) \_\_\_\_\_ (M.I.) \_\_\_\_\_

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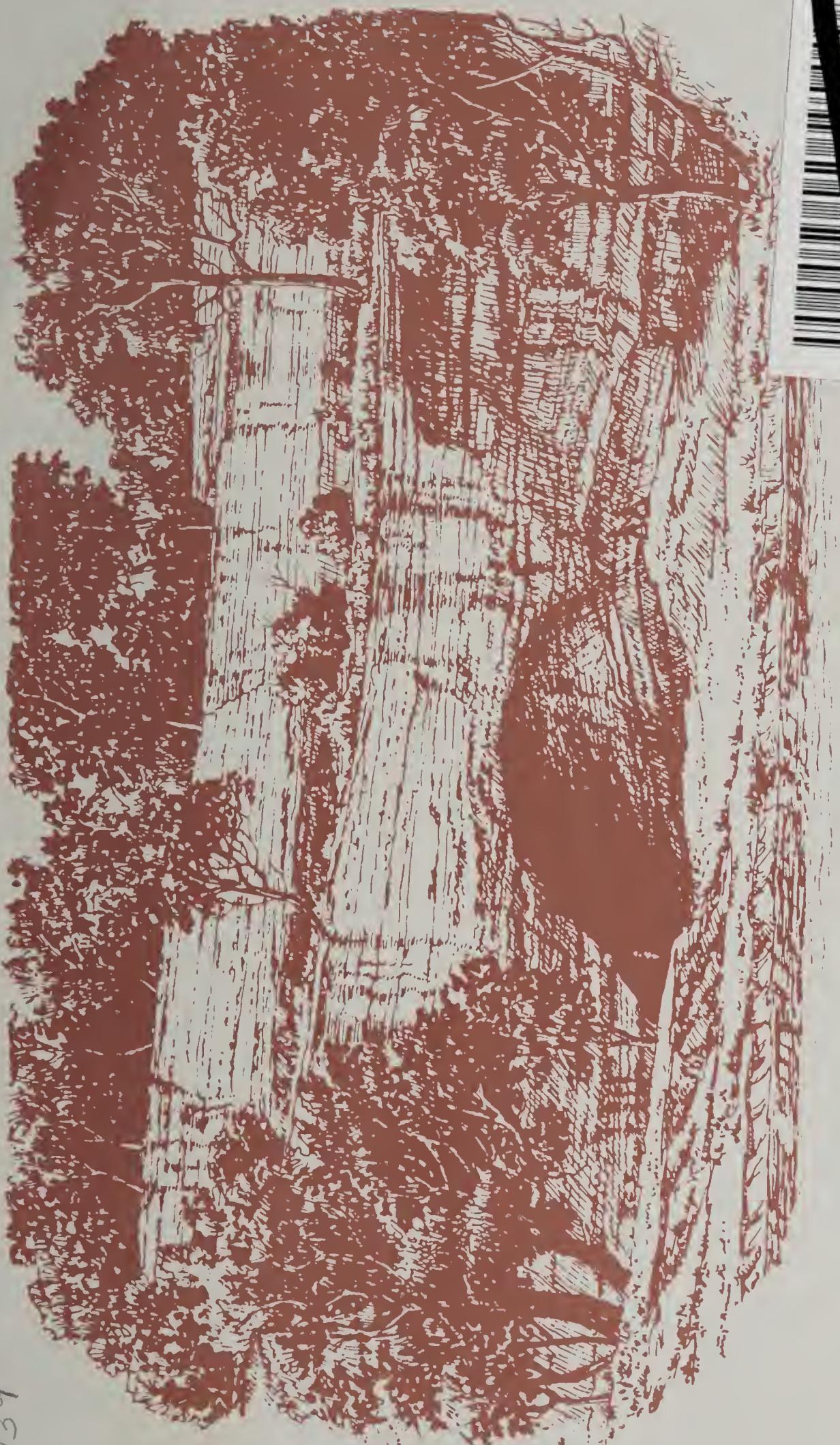
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- Reservation is for:**
- Double occupancy, twin-bedded units
  - Single occupancy
  - \$145.00 per person
  - \$160.00 per person
  - \$130.00 for Museum Society members
  - \$144.00 for Museum Society members

I enclose a check (or money order) in the amount of \$ \_\_\_\_\_ for \_\_\_\_\_ person(s), made payable to the Illinois State Museum **Society**.

**Mail Application to:** Christopher J. Schuberth, Curator of Education • Illinois State Museum • Springfield, IL 62706

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